Energy from garbage and wind

†2843. SHRI JAI PARKASH AGGARWAL: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the number of energy projects set up with the assistance of Central Government for generating energy from garbage and wind in various States as on date;

(b) the total quantum of energy being generated through these projects;

(c) whether possibilities of generating energy from garbage and wind in backward and rural areas have been explored; and

(d) the total amount of assistance provided by the Central Government to States for generating energy from garbage and wind during the last two years?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) Three projects for generation of energy from garbage and 36 demonstration wind power projects have so far been set up in various States. Apart from this, a large wind power capacity has also been set up in the country through commercial projects based on private investments.

(b) The cumulative generation of electricity from these projects is about 34 billion units, upto 31.3.2007.

(c) Under the wind resource assessment programme, potential for setting up of wind power projects has been explored in the country, including rural and backward areas. The overall potential for waste-to-energy projects including energy from garbage has also been estimated.

(d) Financial assistance of Rs.1.91 crore has been provided for setting up of demonstration wind power projects during the last two years. No financial assistance has been provided during this period for setting up projects for energy from garbage.

Indo-US discussion for development of energy technology

2844. SHRIMATI SHOBHANA BHARTIA: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether, to give a major push to trade and investment in the energy sector, India and US have discussed cooperation in the development and deployment of clear energy technologies during US Energy Secretary's visit to India;

(b) if so, the outcome of the discussion held;

(c) whether any agreement has been reached in this regard; and

(d) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR) (a) and (b) Ways to boost energy cooperation between the two countries, including strengthening cooperation under

†Original notice of the question was received in Hindi.

the five working groups covering coal, renewable energy and new technologies, oil and gas, civil nuclear and power and energy efficiency established under the bilateral Indo-US Energy Dialogue were discussed during the US Secretary of Energy's visit to India during March 20-22, 2007.

(c) No, Sir.

(d) Does not arise.

Wind power potential in Kerala

2845. PROF. P.J. KURIEN: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the total wind power potential in Kerala;

(b) the percentage thereof which has been tapped;

(c) the details of action taken by Government to tap the entire potential; and

(d) the assistance given by the Central Government in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) The wind power potential estimated in Kerala is about 875 MW.

(b) Only about 0.2% of the potential has so far been tapped in the State of Kerala.

(c) and (d) The State Government of Kerala has issued guidelines for establishment of private wind farms including development of wind farms, in private land and technical clearance for setting up of 16.95 MW wind power projects. The Government of India promotes setting up of commercial wind power projects in the country, including in the State of Kerala, by providing incentives such as financial assistance for demonstration wind power projects, concessional import duty for wind electricity generator sub-systems, excise duty exemption, ten years tax holiday on power projects, benefit of accelerated depreciation, term loan from Indian Renewable Energy Development Agency (IREDA) and identification of more potential locations by carrying out wind resource assessment studies. This apart, preferential tariff is being provided for wind power in most of the potential States.

Electrification of villages through solar and bio-gas energy in Assam

2846. KUMAR DEEPAK DAS: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the number of villages electrified through solar and bio-gas energy in Assam during the last three years;

(b) whether Government have launched any scheme to provide solar or bio-gas energy to the rural areas of the State;

(c) if so, the details thereof; and

(d) if not, the reasons therefor?